Wayne-Dalton Corp. Upward Acting Sectional Doors Thermomark™ 5155 Specifications

08360/WAY - BuyLine 0261

Note to specifiers: Words in parenthesis indicate options that need to be specified.

PART I- GENERAL

1.01 Work Included

A) The sectional doors will be Wayne-Dalton (Thermomark™ 5155) as manufactured by Wayne-Dalton Corp.

1.02 Related Work

A) Opening preparation, miscellaneous or structural metal work, access panels finish or field painting, field electrical wiring, wire, conduit, fuses, and disconnect switches are in the Scope of Work of other divisions or trades.

PART II- PRODUCT

2.01 Door Sections

A) Door sections will be of steel/polyurethane/steel sandwich type construction to include a thermal break and have a calculated "R"-value of 10.96, in accordance with industry guidelines. The exterior skin of structural quality, .015" (min.) hot-dipped galvanized steel, embossed with pebble grain texture and features ¼" wide pinstriping, will be factory-finished with baked-on polyester primer and white polyester finish coats. The interior skin will be .015" (min.) structural quality, hot-dipped, galvanized steel, factory-finished with a polyester primer and white polyester finish coats. Hinge locations have 20 ga. continuous back up steel strips for hardware attachment and "cut-down" capability. Ends of sections have full-height 18 ga. (min.) (16 ga. available) hot-dipped galvanized steel end caps. The void between the interior and exterior skins will be completely filled by foamed-in-place CFC free polyurethane core. Bottom astragal is a two-piece "bulb" shaped astragal to be attached to the bottom section. Between section joint seal is standard.

2.02 Track

A) All track, vertical mounting angles and brackets will be commercial quality steel minimum 16 ga. thickness, hot-dipped galvanized. Track is (2") (3") standard or as specified. Vertical track to be graduated providing wedge type weathertight closing with (bracket mounting for wood jambs) (continuous angle mounting for wood jambs) (continuous reverse angle mounting for steel jambs), and are fully adjustable to seal door at jambs. Horizontal track will be reinforced with continuous angle of adequate length and gauge to help prevent deflection.

2.03 Hardware

A) Hinge & Roller Assembly - All hinges and brackets will be made from hot-dipped, galvanized steel. Track rollers will be case-hardened inner steel races with 10-ball, (two-inch roller) (three-inch roller). All factory authorized attachments will be made at locations indicated and reinforced with additional backup plates.

2.04 Counterbalance

A) Springs will be torsion type, low-stress, helical wound, oil-tempered spring wire to provide minimum 10,000 cycles of use - or meet specified cycles - on continuous steel shaft; (solid CRS). Spring fittings and drums will be made of die cast, high-strength aluminum. Pre-formed galvanized steel aircraft cable shall provide a minimum of a 5:1 safety factor. (Long life springs of 25,000, 50,000 or 100,000 cycles may be specified and are recommended for high usage doors).

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2.05 Weather Stripping

A) (Optional factory- installed top section header seal or field-installed jamb/perimeter seals are available).

2.06 Locks

A) Locks will engage right-hand vertical track and utilize an interior side lock. (Standard size rim cylinder short lock bar or 2" track only double lock bar that engages both vertical tracks are available).

2.07 Glazing

A) Glazing (will be sealed 1/2" insulated glass window units - 24" x 6" - set in two-piece molded high-impact polymer frames) (1/4" single pane glazing available). (Prepainted aluminum full view sections also available with various choices of glazing materials).

2.08 Windload

A) Per DASMA 102-2003 and as required by local codes.

2.09 Options

A) Chain hoist or motor operator.

PART III- EXECUTION

3.01 Install

A) Install the doors in accordance with Wayne-Dalton Corp. instructions and standards. Installation will be by authorized Wayne-Dalton representative.

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